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#33

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/021,660A

DATE: 09/14/2001

TIME: 11:37:59

Input Set : A:\HUIP-P01-060 SeqList.txt

Output Set: N:\CRF3\09142001\I021660A.raw

3 <110> APPLICANT: Baron, M.
 4 Farrington, S.
 5 Belaussoff, M.
 7 <120> TITLE OF INVENTION: METHODS FOR MODULATING HEMATOPOIESIS AND VASCULAR
 8 GROWTH
 10 <130> FILE REFERENCE: HUIP-P01-060
 12 <140> CURRENT APPLICATION NUMBER: 09/021,660A
 C--> 13 <141> CURRENT FILING DATE: 2001-08-27
 15 <150> PRIOR APPLICATION NUMBER: 60/037,513
 16 <151> PRIOR FILING DATE: 1997-02-10
 18 <150> PRIOR APPLICATION NUMBER: 60/049,763
 19 <151> PRIOR FILING DATE: 1997-06-16
 21 <160> NUMBER OF SEQ ID NOS: 42
 23 <170> SOFTWARE: PatentIn Ver. 2.1
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 26 <211> LENGTH: 19
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence ✓
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
 33 <400> SEQUENCE: 1
 34 atggatccag cacacatta 19
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 17
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Artificial Sequence
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
 45 <400> SEQUENCE: 2
 46 tcgccattca ggctgcg 17
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 20
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Artificial Sequence ✓
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
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 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 20
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Artificial Sequence
 66 <220> FEATURE:
 67 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
 69 <400> SEQUENCE: 4
 70 tcaaggtgtc caagaacgtg 20
 73 <210> SEQ ID NO: 5

ENTERED

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74 <211> LENGTH: 20
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
81 <400> SEQUENCE: 5
82 tgctgcctgt gagtcataac 20
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 20
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
93 <400> SEQUENCE: 6
94 ctactctaag gcaacaagcc 20
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 20
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
105 <400> SEQUENCE: 7
106 aggagctgag tcgccacctc 20
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 20
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
117 <400> SEQUENCE: 8
118 gtagcccacg gagggatgca 20
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 20
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
129 <400> SEQUENCE: 9
130 gttacctctg ggatcccttc 20
133 <210> SEQ ID NO: 10
134 <211> LENGTH: 20
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
141 <400> SEQUENCE: 10
142 gaggtgacca atgcaataag 20
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 20

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147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
153 <400> SEQUENCE: 11
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157 <210> SEQ ID NO: 12
158 <211> LENGTH: 20
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
165 <400> SEQUENCE: 12
166 gcttggcagc gaaacactaa 20
169 <210> SEQ ID NO: 13
170 <211> LENGTH: 20
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
177 <400> SEQUENCE: 13
178 ccataccgcc tctgtgactt 20
181 <210> SEQ ID NO: 14
182 <211> LENGTH: 20
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
189 <400> SEQUENCE: 14
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193 <210> SEQ ID NO: 15
194 <211> LENGTH: 20
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
201 <400> SEQUENCE: 15
202 ctcgcagaac agcagcctaa 20
205 <210> SEQ ID NO: 16
206 <211> LENGTH: 20
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
213 <400> SEQUENCE: 16
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217 <210> SEQ ID NO: 17
218 <211> LENGTH: 20
219 <212> TYPE: DNA

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220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
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226 ggaaaaaacc ctcatcaatg 20
229 <210> SEQ ID NO: 18
230 <211> LENGTH: 24
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
237 <400> SEQUENCE: 18
238 attcatgtgc agagaggagg cata 24
241 <210> SEQ ID NO: 19
242 <211> LENGTH: 20
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
249 <400> SEQUENCE: 19
250 cgactagtgc gggacatccg 20
253 <210> SEQ ID NO: 20
254 <211> LENGTH: 26
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
261 <400> SEQUENCE: 20
262 atggtaccgt acatattcct ctggtg 26
265 <210> SEQ ID NO: 21
266 <211> LENGTH: 24
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
273 <400> SEQUENCE: 21
274 cgactagtgg cggctctgagg agac 24
277 <210> SEQ ID NO: 22
278 <211> LENGTH: 23
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
285 <400> SEQUENCE: 22
286 atggtaccac gcacaggtca cgt 23
288 <210> SEQ ID NO: 23
289 <211> LENGTH: 20
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence

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293 <220> FEATURE:
294 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
296 <400> SEQUENCE: 23
297 caggggaagag agcagactga 20
299 <210> SEQ ID NO: 24
300 <211> LENGTH: 20
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
307 <400> SEQUENCE: 24
308 agctgatgca gctgatccag 20
311 <210> SEQ ID NO: 25
312 <211> LENGTH: 20
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
319 <400> SEQUENCE: 25
320 ctgctgctat ccatcagcgt 20
323 <210> SEQ ID NO: 26
324 <211> LENGTH: 20
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
331 <400> SEQUENCE: 26
332 aagaaggata agaggacagg 20
335 <210> SEQ ID NO: 27
336 <211> LENGTH: 1278
337 <212> TYPE: DNA
338 <213> ORGANISM: Gallus gallus
340 <220> FEATURE:
341 <221> NAME/KEY: CDS
342 <222> LOCATION: (1)..(1275)
344 <400> SEQUENCE: 27
345 atg gtc gaa atg ctg ctg ttg aca aga att ctc ttg gtg ggc ttc atc 48
346 Met Val Glu Met Leu Leu Leu Thr Arg Ile Leu Leu Val Gly Phe Ile
347 1 5 10 15
349 tgc gct ctt tta gtc tcc tct ggg ctg act tgt gga cca ggc agg ggc 96
350 Cys Ala Leu Leu Val Ser Ser Gly Leu Thr Cys Gly Pro Gly Arg Gly
351 20 25 30
353 att gga aaa agg agg cac ccc aaa aag ctg acc ccg tta gcc tat aag 144
354 Ile Gly Lys Arg Arg His Pro Lys Leu Thr Pro Leu Ala Tyr Lys
355 35 40 45
357 cag ttt att ccc aat gtg gca gag aag acc cta ggg gcc agt gga aga 192
358 Gln Phe Ile Pro Asn Val Ala Glu Lys Thr Leu Gly Ala Ser Gly Arg
359 50 55 60
361 tat gaa ggg aag atc aca aga aac tcc gag aga ttt aaa gaa cta acc 240

```

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 09/14/2001

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TIME: 11:38:00

Input Set : A:\HUIP-P01-060 SeqList.txt

Output Set: N:\CRF3\09142001\I021660A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32

L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32

L:1640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39

L:1928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:1931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:1934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:1937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:1940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:1943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:1946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:1949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:1952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:1955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:1958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:2022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42

L:2028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42

L:2037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42

L:2040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42

L:2046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42